AEE/KSN/SBR/120/13-14 dt 28-9-13

M.A.R. 57 (Rule 116)

Measurement Book No. A/11

192202

Serial No. I^st and Final Recorded on 29/8/13

Name of work. Construction of RCC Drain at Maramma Temple Main Road in Amruthahalli. From To

Name of Contractor of nature of Agency A. Manjunath

Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	JOB NO. 007-12-000054. P-1771. POW (11-12)						
	EST Cost: 19.50 Lakhs						
	AS NO: JC(y) AS 194/12-13						
	TS NO: EE/BTP/TSNO/89/12-13.						
	Ag. NO: EE/BTP/AgNO 184/12-13.						
	Work order NO: EE/BTP/W.O/ /12-13						
①.	Earth work Excavation by Manual Means in O.S.D.R involving in Avg horizontal ground up to 2m on Avg lift up to 0.5m Excavated levelled and Sides neatly dressed the disposal earth by levelled neatly after Raising						

N4

	Contents 7	Reference to last Measurement 8
	...iyamma Temple ...ompleted	
	90.00m	
	275.00m³	
	JB WR	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Joints etc complete as per Specifications. Quantity Recorded in this MB vide P.No 19226/ Qty = 205.92 Sqmts limited to 162.00 Sqmts @ Rs 65.98/Sqmt					Rs 10,689=40	
2)	Removing BS Slab drains and Stacking Quantity Recorded in this MB vide P.No 19226/ Qty = 421.20 Sqmt limited to 243.00 Sqmt @ Rs 49.88/Sqmt					Rs 12,121=00	
3)	Refixing of B.S Slabs of drains and pointing in CM 1:3.						
	Amruthahalli	2	30.0	—	1.35	81.00 Sqm	
		2	30.0	—	1.35	81.00	
		2	30.0	—	1.35	81.00	
						243.00 Sqmt	

M.A.R. 57

Measurer

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	D	
		Number	Leng
1	2	3	4
			@ Rs
4)	E.W. Excavation for foundation (and electrical Conduits cillis in above in width is c.soil not Ex including dressing the bottom a Stacking the Excavated soil d breaking & clods Complete as p		
	Culverts	1 —	7.0
	Ree Drain	1 —	30.
		1 —	30.0

Contents 7	Reference to last Measurement 8
261	
Rs	10,689=40
WO 192261	
4	
Rs	12121=00
ing in	
81.00 cu.m	
81.00	
81.00	
243.00 cu.m	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 192203

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
				Total Qty		243.00 cu.m	
	@ Rs 62.35/cu.m					Rs 15,151=00	
4)	E.W. Excavation for foundation Culverts, w/s Sanitary lines and electrical Conduits cillin in pits or in trenches 1.5m and above in width in o.soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear upto 5m after breaking & clods complete as per specifications						
	Culverts	1 —	7.0	2.0	1.20	16.80 cu.m	
	Rec Drains	1 —	30.0	1.80	1.0	54.00	
		1 —	30.0	1.80	1.0	54.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Beacon cutting	1 —	30.0	1.80	1.00	54.00 cum	
		1 —	30.0	1.80	1.0 —	54.00	
		2 —	30.0	1.80 —	1.0 —	108.00	
		2 —	30.0	1.80 —	1.0 —	108.00	
		2 —	30.0	1.80 —	1.0 —	108.00	
		2 —	30.0	1.80 —	1.0 —	108.00	
	Road Soil -	1 —	30.0	2.60 —	0.60	468.00	
					Totaly	1132.80 cum	
	Qty limited to 949.20 cum						
	@ Rs 151.90/cum					Rs 14,4183=00	
5)	providing and laying C.C 1:4:8 M 7.5 with ope 180 kgs with 40mm and down size graded metal Coarse aggregate and fine aggregate 0.5 cum Machine mixed Concrete laid in layers not exceeding						

cute
Ref
29/8/13

Assistant Executive Engir
Kadigehalli Sub Divisio
Yelahanka Zone, B.B.M
Bangalore.

M.A.R. 57 (F
Measureme

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dim	
		Number	Length
1	2	3	4
	15cm thick well Compacted in fo well Compacted in foundations inc labour Hire & Machinary Charg		
	foundations	1 —	7.0
	Culverts	1 —	30.0
	R.C.C Drains	1 —	30.0
		1 —	30.0
		1 —	30.0
		1 —	30.0
		1 —	30.0
		1 —	30.0

Depth 6	Contents 7	Reference to last Measurement 8
1.00	54.00 cft	
1.0 –	54.00	
1.0 –	108.00	cuft
1.0 –	108.00	Ref.
1.0 –	108.00	29/8/13
1.0 –	108.00	Assistant Executive Engi
0.60	468	Kadigehalli Sub Divisio
	1132.80 cft	Yelahanka Zone, B.B.M
		Bangalore.
	Rs	14,4183=00
.5 with ope		
graded metal		
e 0.57 cm		
not Exceeding		

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 192204

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	15cm thick well Compacted in foundations staves plinth- well Compacted in foundations including Cost of all Material labour Hire & Machinery Curing etc complete as per Spci						
	foundations	1 –	7.0	2.0	0.15	2.10cmt	
	Culverts	1 –	30.0	1.80	0.15	8.10	
	R.C.C Drains	1 –	30.0	1.80	0.15	8.10	
		1 –	30.0	1.80	0.15	8.10	
		1 –	30.0	1.80	0.15	8.10	
		1 –	30.0	1.80	0.15	8.10	
		1 –	30.0	1.80	0.15	8.10	
		1 –	30.0	1.80	0.15	8.10	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.0	1.80	0.15	8.10 cum	
		2	30.0	1.80	0.15	16.20	
		2	30.0	1.80	0.15	16.20	
		2	30.0	1.80	0.15	16.20	
		2	30.0	1.80	0.15	16.20	
		2	30.0	1.80	0.15	16.20	
		2	30.0	1.80	0.15	16.20	
		1	30.0	1.80	0.15	8.10	
		1	30.0	1.80	0.15	8.10	
					Totaly	147.90 cum	
	Qty limitted to 141.96 cum						
	@ Rs 4134.80/cum					Rs 586976=00	
6)	providing and Constructing granite slabs S.S.M						
	Masonary foundations C.M 1:6 Stone hammer						

CRPC
Dep
29/8/13

Assistant Executive Engg
Kodigehalli Sub Divn
Yelahanka Zone, B.B.M.P
Bangalore.

M.A.R. 57

Measurem

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Di	
		Number	Lengt
1	2	3	4
	dressed in Coarse not less th Stones at 2cm apart in each of all materials labour Curing etc. Culvers	2	7.10
	Qty limitted to 8.40 cub		
7)	providing flush pointing to sal with CM 1:3. 2cms deep after of 2cm mm rically including Co Curing etc complete as pr Speci		

pth 6	Contents 7	Reference to last Measurement 8
15	8.10 cum	
15	16.20	
15	16.20	
15	16.20	
15	16.20	
15	16.20	
15	8.10	
15	8.10	
	147.90 cum	
	Rs	586976=00
Clerk	S.S.N	
Chairman		

CMC
Recd 29/8/13
Assistant Executive Engg
Kodigehalli Sub Divn
Yelahanka Zone, B.B.M.P.
Bangalore.

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 192205

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	dressed in Course not less than 20cms high bond Stones at 2m apart in each course including cost & all Materials labour Curing etc complete as per Specification etc. Culvert.	2	7.10	0.60	1.10	9.37 cum	
	Qty limited to 8.40 cum @ Rs 2968.13/cum					Rs	24,932=00
7)	providing flush pointing to Cavare Rubble Masonary with CM 1:3. 20mm deep after Raking joints to depth of 20mm nicely including cost & Materials labour Curing etc complete as per Specifications						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	7.10	–	1.10	17.04 Sq m	C&RE
	Qty limited to 14.00 Sq m @ ₹ 83.68/Sq m					₹ 24932 = 00	
8)	providing and laying CC Mix M-15 with 20 mm and down size graded granite metal coarse aggregate @ 0.878 cum. and fine aggregate Compacted in foundations plinth etc complete as per Specifications					240 kg	
	coaping	2	7.10	0.60	0.10	0.85 cum	
	Ramp	2	7.10	0.30	0.20	0.85	
						1.70 cum	1.33
	limited to 1.33 cum					@ ₹ 83.68/cum	₹ 1172 = 00
9)	Construction & Subsequent & approved materials Grave and laid spreading grading to						6229 = 00

M.A.R. 57 (I

Measureme

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dime	
		Number	Length
1	2	3	4
	Required slope and as per Specification Roads	Compacting compacted by V	
		1 –	80.0
		1 –	50.0
			Deduct 15
	Qty limited to 39.90 cum @ ₹ 154.1		

Contents 7	Reference to last Measurement 8
17.048q	C&FE
	24932 = cu
240 kg	
+ metal	
aggregate	
as per	
0.85 cu	
0.85	
1.70 cu	1172 = cu
Rs 3.67	6229 = cu
material	
to	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192206

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Required slope and as per specification compacted by vibratory Roller etc complete						
	Roads	1	80.0	3.0	0.20	48.00 cu	
		1	50.0	3.0	0.20	30.00	
					Total	78.00 cu	
					Deduct 15% compacted	11.70	
					Balance	66.30 cu	
	Qty limited to 39.90 cu						
	@ Rs 154.17/cu					Rs	6151 = 00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	providing and laying C.C using 20mm and down size graded Granite Coarse aggregate and Fine aggregate @ Rec @ RL work laid in 15 cms thick layers and well compacted including vibrating Curing etc including Smooth finish in CM 1:3 with all lead and lift etc,						
	Culverts	1	7.10	1.80	0.23	2.93 cum	
	Rce Drain Lids	2	30.0	0.12	1.00	7.20 cum	
	Amruthahalli Main Roads	2	30.0	0.12	1.0	7.20	
		2	30.0	0.12	1.0	7.20	
		2	30.0	0.12	0.6	3.60	
		2	30.0	0.12	0.6	3.60	
		2	30.0	0.12	0.6	3.60	
		2	30.0	0.12	0.6	3.60	
						38.93	

CC for Lef 29/8/13

Assistant Executive Engr
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M
Bangalore.

M.A.R. 57 (
Measureme

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Din	
		Number	Length
1	2	3	4
		2	30.0
		2	30.0
		2	30.0
		2	30.0
		2	30.0
	Bottom sloping Courte	1	30.0
		1	30.0
		1	30.0
		1	30.0
		1	30

pth 6	Contents 7	Reference to last Measurement 8
...ss and		
...gate and		
...ai 15 cms		
...uding sides		
...1:3 with		
23	2.98 cmt	cafe
00	7.20 cmt	leaf
0	7.20	29/8/13
0	7.20	
.6	3.60	
.6	3.60	
.6	3.60	
.6	3.60	
	38.93	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192207

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		2	30.0	0.12	0.60	3.98 cmt	
		2	30.0	0.12	0.60	3.98	
		2	30.0	0.12	0.60	3.98	
		2	30.0	0.12	0.60	3.98	cafe
		2	30.0	0.12	0.60	3.98	leaf
		2	30.0	0.12	0.60	3.98	29/8/13
	Bottom sloping Counter	1	30.0	0.80	0.20	4.80	
		1	30.0	0.75	0.20	4.78	
		1	30.0	0.75	0.15	3.37	
		1	30.0	0.75	0.15	3.37	
		1	30	0.75	0.15	3.37	
						78.44	

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.0	0.12	1.10	7.92 cum	
		2	30.0	0.12	1.10	7.92	
					Totally	95.28 cum	
	Qty limited to 92.25 cum @ Rs 5250.00 cum					Rs	4,84,313=00
11)	providing Removing Centering and shuttering propering and Removing from work such a Slopes floor Roof balcanies thickness above 200mm inclu- ding Cost of all materials labour etc complete as per specifications						
	Qty Recorded in this MB vide p.no 192261						
	Qty 632.22 Sqm limited to 629.80 Sqm @ Rs 306.06/Sq					Rs	1,92,757=00

M.A.R. 57

Measuren

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	D
		Number
1	2	3
12)	providing TMT Steel Reinforced including straightening Cuttin in position lapping and welding with binding wire and anchor members etc complete as per spec etc complete.	
	Qty Recorded in this MB vide	
	Qty 8mm Ø - 4420m x 0.39	
	10mm Ø - 3960m x 0.617	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	12mm ϕ	119.00 m	x 0.888 kg/m		= 105.671 kg		
	16 mm ϕ	119.0 m	x 1.6 kg/m		= 190.40 kg		
					Totally 3929.991 kg		
					≒ 39.29 Quintal		
	Qty limited to 38.06 Quintal						
	@ Rs 7712.27/Quintal					Rs	293529=00
13)	providing and laying 10 cm thick precast RCC slab,						
		1	175.0	-	1.20	210.00 sft	
	Qty limited to 168.00 sft						
	@ Rs 1574.40/sqm					Rs	264499=00
					Totally		2,42,702=00

M.A.R. 57 (Rule 11

Measurement Book

.....

.....From.....

Factor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions		
		Number	Length	Breadth
1	2	3	4	5
	Certificate: Certified that the above stated and work is done at with debris in some spot			

29/8/13

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Depth 6	Contents 7	Reference to last Measurement 8
- 105.671 Cu		
190.40 Cu		
3929.99 Cu		
tal	Rs	2,93529=00
st Rec slab,		
1.20	210.00 Sft	
	Rs	264499=00
Totaly		2,42,702=00

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 192209

.....

rk.....From.....To.....

ntractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate: Certified that the above said work is Completed satisfactorily and work is done at with in the BBMP limit. and no debris in work spot						

29/8/13

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P..
Bangalore.

JE
29/8/13